

**BOONE COUNTY REPORT
OF
ENDANGERED, THREATENED, AND SPECIAL CONCERN
PLANTS, ANIMALS, AND NATURAL COMMUNITIES
OF
KENTUCKY**

**KENTUCKY STATE NATURE
PRESERVES COMMISSION
801 SCHENKEL LANE
FRANKFORT, KY 40601
(502) 573-2886 (phone)
(502) 573-2355 (fax)**

www.naturepreserves.ky.gov

Kentucky State Nature Preserves Commission

Key for County List Report

Within a county, elements are arranged first by taxonomic complexity (plants first, natural communities last), and second by scientific name. A key to status, ranks, and count data fields follows.

STATUS

KSNPC: Kentucky State Nature Preserves Commission status:

N or blank = none E = endangered T = threatened S = special concern H = historic X = extirpated

USESA: U.S. Fish and Wildlife Service status:

blank = none C = candidate LT = listed as threatened LE = listed as endangered

SOMC = Species of Management Concern

RANKS

GRANK: Estimate of element abundance on a global scale:

G1 = Critically imperiled

GU = Unrankable

G2 = Imperiled

G#? = Inexact rank (e.g. G2?)

G3 = Vulnerable

G#Q = Questionable taxonomy

G4 = Apparently secure

G#T# = Intraspecific taxa (Subspecies and variety abundances are coded with a 'T' suffix; the 'G' portion of the rank then refers to the entire species)

G5 = Secure

GH = Historic, possibly extinct

GNR = Unranked

GX = Presumed extinct

GNA = Not applicable

SRANK: Estimate of element abundance in Kentucky:

S1 = Critically imperiled

SU = Unrankable

S2 = Imperiled

S#? = Inexact rank (e.g. G2?)

S3 = Vulnerable

S#Q = Questionable taxonomy

S4 = Apparently secure

S#T# = Intraspecific taxa

S5 = Secure

SNR = Unranked

SH = Historic, possibly extirpated

SNA = Not applicable

SX = Presumed extirpated

Migratory species may have separate ranks for different population segments (e.g. S1B, S2N, S4M):

S#B = Rank of breeding population

S#N = Rank of non-breeding population

S#M = Rank of transient population

COUNT DATA FIELDS

OF OCCURRENCES: Number of occurrences of a particular element from a county. Column headings are as follows:

E - currently reported from the county

H - reported from the county but not seen for at least 20 years

F - reported from county & cannot be relocated but for which further inventory is needed

X - known to be extirpated from the county

U - reported from a county but cannot be mapped to a quadrangle or exact location.

The data from which the county report is generated is continually updated. The date on which the report was created is in the report footer. Contact KSNPC for a current copy of the report.

Please note that the quantity and quality of data collected by the Kentucky Natural Heritage Program are dependent on the research and observations of many individuals and organizations. In most cases, this information is not the result of comprehensive or site-specific field surveys; many natural areas in Kentucky have never been thoroughly surveyed, and new species of plants and animals are still being discovered. For these reasons, the Kentucky Natural Heritage Program cannot provide a definitive statement on the presence, absence, or condition of biological elements in any part of Kentucky. Heritage reports summarize the existing information known to the Kentucky Natural Heritage Program at the time of the request regarding the biological elements or locations in question. They should never be regarded as final statements on the elements or areas being considered, nor should they be substituted for on-site surveys required for environmental assessments.

KSNPC appreciates the submission of any endangered species data for Kentucky from field observations. For information on data reporting or other data services provided by KSNPC, please contact the Data Manager at:

Kentucky State Nature Preserves Commission
801 Schenkel Lane
Frankfort, KY 40601
phone: (502) 573-2886
fax: (502) 573-2355
email: naturepreserves@ky.gov
internet: www.naturepreserves.ky.gov

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County	Taxonomic Group	Scientific name	Common name	Statutes	Ranks	# of Occurrences				
						E	H	F	X	U
	Habitat									
Boone	Vascular Plants	<i>Bouteloua curtipendula</i>	Side-oats Grama	S /	G5 / S3?	0	1	0	0	0
	PLAINS, PRAIRIES AND ROCKY HILLS.									
Boone	Vascular Plants	<i>Prenanthes crepidinea</i>	Nodding Rattlesnake-root	T /	G4 / S2	1	0	0	0	0
	Calcareous forests and thickets usually in alluvial areas.									
Boone	Vascular Plants	<i>Ranunculus ambigens</i>	Waterplantain Spearwort	S /	G4 / S3	0	1	0	0	0
	SLOUGHS, DITCHES, AND MUDDY SWAMPS (FERNALD 1970); POND MARGINS.									
Boone	Vascular Plants	<i>Trifolium stoloniferum</i>	Running Buffalo Clover	T / LE	G3 / S2S3	8	0	0	1	0
	Old trails, traces, and roads; grazed bottomlands, streambanks, lawns, shoals, and cemeteries with native vegetation, prairies, well-drained and mesic soils, and filtered to partial light.									
Boone	Gastropods	<i>Leptoxis praerosa</i>	Onyx Rocksnail	S / SOMC	G5 / S3S4	0	1	0	0	0
	CALL (1895) INDICATED THAT IN THE OHIO RIVER AT THE FALLS IT OCCURRED IN THE GREATEST PROFUSION WHERE THE BOTTOM IS CLEAN ROCK OR ROCK WITH ABUNDANT "CONFERVOID" VEGETATION.									
Boone	Freshwater Mussels	<i>Cumberlandia monodonta</i>	Spectaclecase	E / C	G2G3 / S1	0	0	0	1	0
	Usually found in medium to large rivers where it inhabits substrate ranging from silt to rubble and boulders in slow to swift currents of shallow to deep water (Ahlstedt 1984, Bogan and Parmalee 1983, Buchanan 1980, Nelson and Freitag 1980, Parmalee 1967). Sometimes found in or near vegetation beds, and in mud between boulders adjacent to swift water (Stansbery 1966). May become established in wing dams (Nelson and Freitag 1980).									
Boone	Freshwater Mussels	<i>Fusconaia subrotunda subrotunda</i>	Longsolid	S /	G3T3 / S3	0	0	0	1	0
	GRAVEL BARS AND DEEP POOLS IN LARGE RIVERS AND LARGE TO MEDIUM-SIZED STREAMS (AHLSTEDT 1984, GOODRICH AND VAN DER SCHALIE 1944, NEEL AND ALLEN 1964, PARMALEE 1967).									
Boone	Freshwater Mussels	<i>Lampsilis abrupta</i>	Pink Mucket	E / LE	G2 / S1	0	0	0	1	0
	Large rivers in habitats ranging from silt to boulders, but apparently more commonly from gravel and cobble. Collected from shallow and deep water with current velocity ranging from zero to swift (Ahlstedt 1983, Bogan and Parmalee 1983, Buchanan 1980), but never standing pools of water (Lauritsen 1987).									
Boone	Freshwater Mussels	<i>Lampsilis ovata</i>	Pocketbook	E /	G5 / S1	0	0	0	1	0
	Considered a large river species (Clench and Van Der Schalie 1944, Parmalee 1967, Stansbery 1976), but occurs in medium-sized streams in gravel, sand, or even mud (Parmalee 1967, Johnson 1970, Gordon and Layzer 1989). In the Lower Wabash and Ohio Rivers specimens were taken in deep water (6-10 feet or more) in current from sand or gravel.									
Boone	Freshwater Mussels	<i>Obovaria retusa</i>	Ring Pink	E / LE	G1 / S1	0	0	0	1	0
	LARGE RIVER SPECIES THAT INHABITS GRAVEL AND SAND BARS (BOGAN AND PARMALEE 1983, GOODRICH AND VAN DER SCHALIE 1944, NEEL AND ALLEN 1964, STANSBERY 1976).									
Boone	Freshwater Mussels	<i>Plethobasus cyphus</i>	Sheepnose	E / C	G3 / S1	0	0	0	1	0
	Usually found in large rivers in current on mud, sand, or gravel bottoms at depth of 1-2 meters or more (Baker 1928, Parmalee 1967, Gordon and Layzer 1989).									
Boone	Freshwater Mussels	<i>Pleurobema rubrum</i>	Pyramid Pigtoe	E / SOMC	G2 / S1	0	0	0	1	0
	INHABITS MEDIUM TO LARGE RIVERS AND USUALLY OCCURS IN SAND OR GRAVEL BOTTOMS IN DEEP WATERS (AHLSTEDT 1984, MURRAY AND LEONARD 1962, PARMALEE ET AL. 1982).									
Boone	Fishes	<i>Atractosteus spatula</i>	Alligator Gar	E / SOMC	G3G4 / S1	0	1	0	0	0
	Sluggish pools and backwaters of large rivers, backwaters, and oxbow lakes (Burr and Warren 1986, Page and Burr 1991, Etnier and Starnes 1993).									
Boone	Fishes	<i>Ictiobus niger</i>	Black Buffalo	S /	G5 / S3	1	0	0	0	0
	RESERVOIRS AND MEDIUM TO LARGE RIVERS WITH MODERATE TO LOW GRADIENT AND SOMETIME SWIFT CURRENT (BECKER 1983, PFLIEGER 1975, SMITH 1979, TRAUTMAN 1981, AND BURR AND WARREN 1986).									
Boone	Amphibians	<i>Cryptobranchus alleganiensis alleganiensis</i>	Eastern Hellbender	S / SOMC	G3G4T3T4 / S3	0	1	0	1	0
	CONFINED TO RUNNING WATERS OF FAIRLY LARGE STREAMS AND RIVERS.									
Boone	Amphibians	<i>Plethodon cinereus</i>	Redback Salamander	S /	G5 / S3	12	1	0	0	0
	A WOODLAND SPECIES THAT OCCURS IN DECIDUOUS AND MIXED FOREST TYPES. ADULTS ARE FOUND UNDER LOGS, ROCKS, BARK, MOSS AND DEBRIS.									

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						E	H	F	X	U
Boone	Amphibians	<i>Rana pipiens</i>	Northern Leopard Frog	S /	G5 / S3	1	0	0	0	0
		BREEDS IN NATURAL AND MANMADE PONDS. OTHERWISE USES MOIST GRASSLAND, MEADOWS AND MARGINS.								
Boone	Breeding Birds	<i>Aimophila aestivalis</i>	Bachman's Sparrow	E / SOMC	G3 / S1B	0	0	0	1	0
		OPEN PINE WOODS WITH SCATTERED BUSHES OR UNDERSTORY, BRUSHY OR OVERGROWN HILLSIDES, OVERGROWN FIELDS WITH THICKETS AND BRAMBLES, GRASSY ORCHARDS.								
Boone	Breeding Birds	<i>Ammodramus henslowii</i>	Henslow's Sparrow	S / SOMC	G4 / S3B	1	0	0	2	0
		OPEN FIELDS & MEADOWS W/ GRASS INTERSPERSED W/ WEEDS OR SHRUBBY VEG., ESPEC. IN DAMP OR LOW-LYING AREAS, ADJACENT TO SALT MARSH IN SOME AREAS. IN MIGRATION & WINTER ALSO IN GRASSY AREAS ADJACENT TO PINE WOODS OR SECOND-GROWTH WOODS.								
Boone	Breeding Birds	<i>Bartramia longicauda</i>	Upland Sandpiper	H /	G5 / SHB	0	1	0	0	0
		GRASSLANDS, ESPECIALLY PRAIRIES, DRY MEADOWS, PASTURES, FIELDS AROUND AIRPORTS, AND (IN ALASKA) SCATTERED WOODLANDS AT TIMBERLINE; VERY RARELY IN MIGRATION ALONG SHORES AND MUDFLATS (B83COM01NA).								
Boone	Breeding Birds	<i>Passerculus sandwichensis</i>	Savannah Sparrow	S /	G5 / S2S3B,S2 S3N	1	0	0	0	0
		Open areas, especially grasslands, tundra, meadows, bogs, farmlands, grassy areas with scattered bushes, and marshes, including salt marshes in the Beldingi and Rostratus Groups (subtropical and temperate zones) (B83COM01NA).								
Boone	Breeding Birds	<i>Poocetes gramineus</i>	Vesper Sparrow	E /	G5 / S1B	0	0	0	0	1
		PLAINS, PRAIRIE, DRY SHRUBLANDS, SAVANNA, WEEDY PASTURES, FIELDS, SAGEBRUSH, ARID SCRUB AND WOODLAND CLEARINGS (B83COM01NA).								
Boone	Breeding Birds	<i>Riparia riparia</i>	Bank Swallow	S /	G5 / S3B	2	0	0	0	0
		OPEN AND PARTLY OPEN SITUATIONS, FREQUENTLY NEAR FLOWING WATER (B83COM01NA).								
Boone	Breeding Birds	<i>Tyto alba</i>	Barn Owl	S /	G5 / S3	3	0	0	0	0
		OPEN AND PARTLY OPEN COUNTRY IN A WIDE VARIETY OF SITUATIONS, OFTEN AROUND HUMAN HABITATION (B83COM01NA). IN NORTHERN WINTER OFTEN ROOSTS IN DENSE CONIFERS; ALSO ROOSTS IN NEST BOXES IF AVAILABLE (A85MAR01NA).								
Boone	Communities	<i>Calcareous sub-xeric forest</i>		/	GNR / S5	4	0	0	0	0
Boone	Communities	<i>Riparian forest</i>		/	GNR / S3	1	0	0	0	0